Marine Remote Commander System

MC10

• Operating Instructions

Please read before using this equipment.

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Operating Instructions

WARNING

⚠ WARNING

This symbol means important instructions.
Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR BOAT.
Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the boat in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.
Excessive volume levels that obscure sounds such as emergency vessel sirens or approaching vessels can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A BOAT MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.
Viewing the display may distract the driver from looking ahead of the boat and cause an accident.

DO NOT DISASSEMBLE OR ALTER.
Doing so may result in an accident, fire or electric shock.

DO NOT CONNECT A POWER SUPPLY OTHER THAN A DC 12V NEGATIVE GROUND TYPE.
Failure to do so may result in accident or fire.

KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.
Failure to do so may result in fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.
Use for other than its designed application may result in fire, electric shock or other injury.

⚠ CAUTION

This symbol means important instructions.
Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.
Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for replacing.

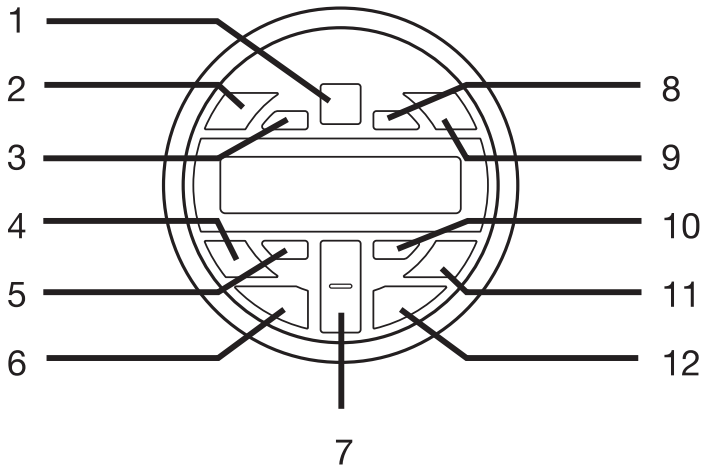
⚠ PRECAUTIONS

Product Cleaning
Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Temperature
Be sure the temperature inside boat is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.

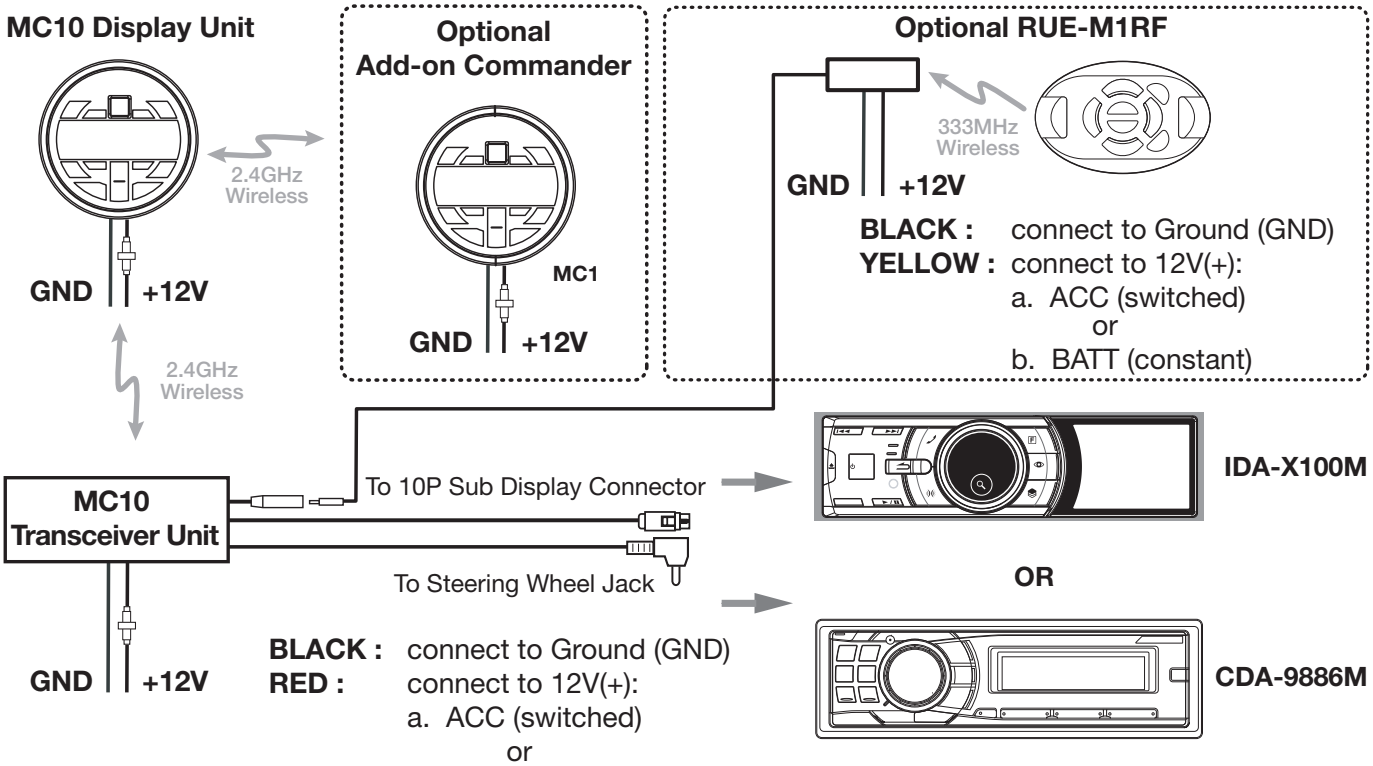
Maintenance
If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

Basic Operation



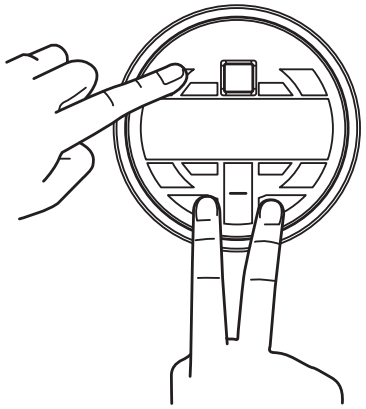
1. Source and Power
2. Play/Pause
3. Mute
4. Track Down
5. Direct Down
6. Search/Enter
7. Volume Up/Down
8. Subw. Level/Control Mode
9. Band
10. Direct Up
11. Track Up
12. Return/Escape

Installation



Program Menu

Enter Program Mode



MC10
Display unit

Program Menu Options

1. ID NUMBER — This is the serial number of the display unit.
   * Range of serial numbers: 00001 to 99999

2. RF STRENGTH — Signal strength between a display unit and the closest display or transceiver unit in the MC10 wireless system
   * Range of strength: [... to ....]

3. SIGNAL STATUS — Wireless signal connection status between a display unit and the transceiver unit
   * Values: [CONNECTED, NO CONNECT]

4. MESH NET — When set to ON, turns a display unit into a signal repeater for communicating with MC1 add-on commander units that are installed outside the MC10 system communication range
   * Values: [**OFF**, ON]

5. CONTRAST — Sets brightness or dimness of LCD display characters
   * Values: [5, 4, **3,** 2, 1, 0]

6. BL DISPLAY — Turns LCD backlighting **ON** or OFF

7. BL KEYPAD — Turns keypad button backlighting **ON** or OFF

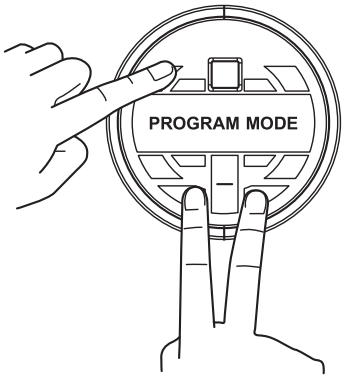
8. TEMPERATURE — Sets temperature scale to **degrees F** or degrees C

9. RESET MC1 — Menu selection for pairing or re-pairing any MC1 or MC10 display units with any existing MC10 system.
   RESET MC1 also restores factory default setting

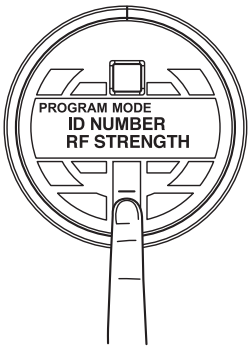
* Note: Bold indicates default menu selection for this program menu option

Program Mode Example

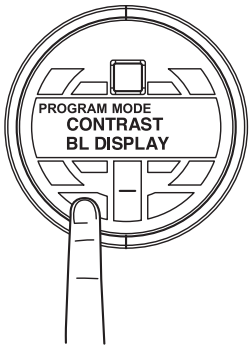
1. Enter Program Mode



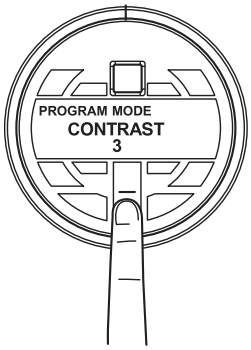
2. Press **VOL +** or **VOL –** until CONTRAST shows on top line of display



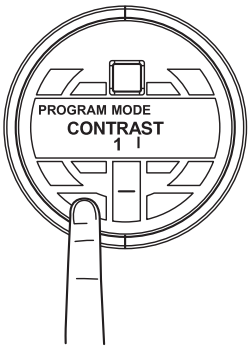
3. Press **ENT** to program new CONTRAST value



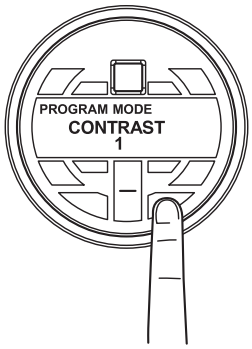
4. Press **VOL +** or **VOL –** to adjust the current CONTRAST value



5. Press **ENT** to save new CONTRAST value

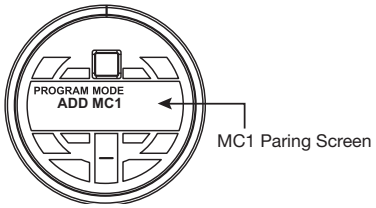


6. Press **ESC** to exit Program Mode

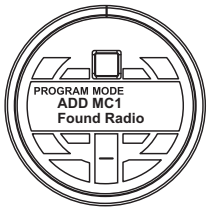


MC1 Add-on Commander Pairing Procedure

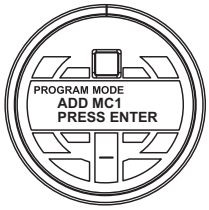
1. Power on existing MC10 system
2. Connect power and ground wires of MC1 add-on commander (see Installation)
3. MC1 add-on commander display will turn on and automatically go to the pairing screen in the program menu with ADD MC1 showing on the display



4. On marine radio, select FM Tuner as source (make sure that tuner seek mode is DX or LOCAL , not MANUAL)
5. Found Radio will appear on the display below ADD MC1 when add-on commander is ready to pair with MC10 system *



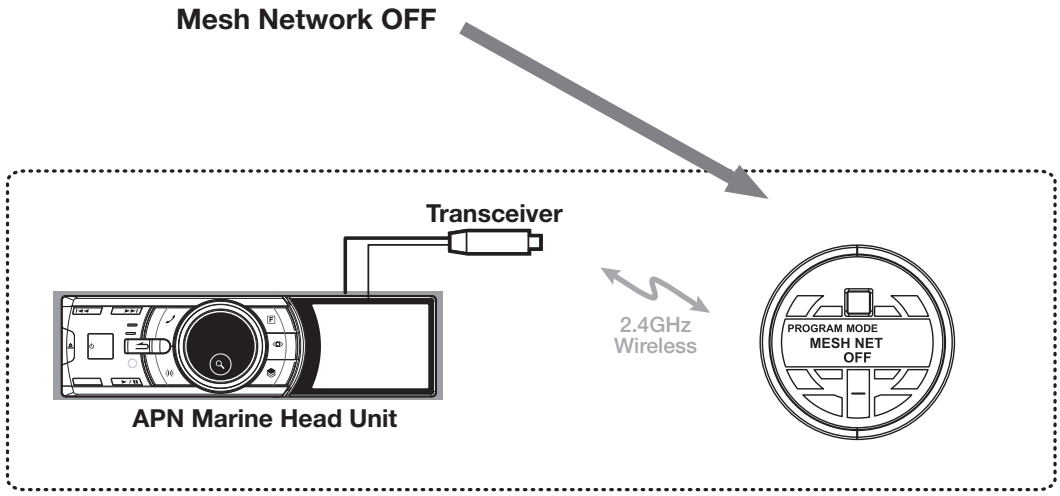
6. On marine radio, press **SEEK UP** (⏭) once
7. PRESS ENTER will appear below ADD MC1 on the display



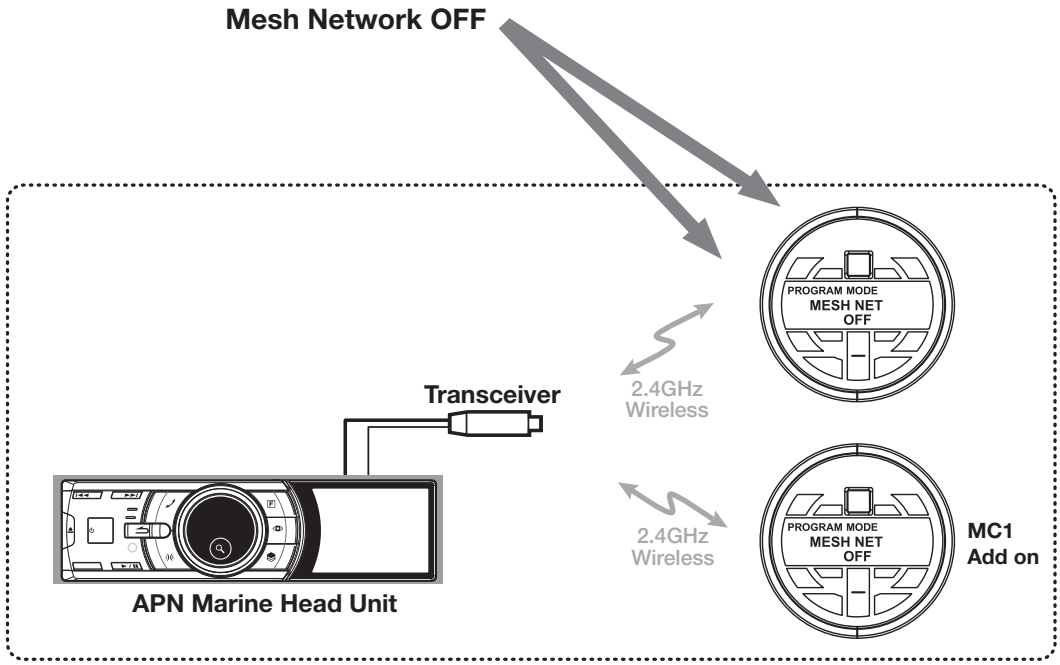
8. Press **ENT** to finish pairing operation and save new settings
9. Press **ESC** to exit Program Menu
10. Turn off the existing MC10 system, then turn it back on. Pairing procedure is now completed.

*If Found Radio does not appear on the display, MC1 location may be out of MC10 system range (typical ~ 40 feet/12 m) - See Mesh Network Operation section on page 8.

Mesh Network Operation



MC10 Marine Commander System

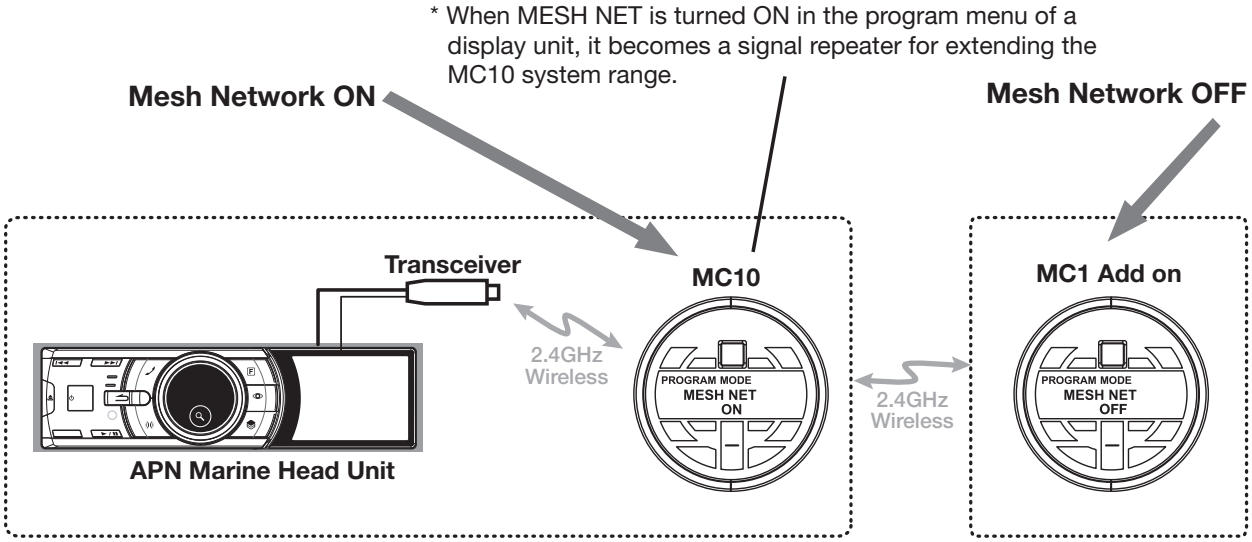


MC10 Marine Commander System with MC1 Add on Commander

Mesh Network Operation

To install an MC1 Add-on Commander in a new location that is outside the MC10 system range:

1. Go to the MC10 system display unit that is closest to the new location
2. Turn Mesh Network ON in the program menu, then exit program menu
3. Follow the MC1 Add-on Commander Pairing Procedure on page 6 to complete the new installation


* When MESH NET is turned ON in the program menu of a display unit, it becomes a signal repeater for extending the MC10 system range.
Mesh Network ON
Mesh Network OFF
Transceiver
MC10
MC1 Add on
2.4GHz Wireless
2.4GHz Wireless
PROGRAM MODE
MESH NET ON
PROGRAM MODE
MESH NET OFF
APN Marine Head Unit

MC10 Marine Commander System

MC10 Display Unit Re-Pairing Procedure

* If for some reason you want to pair an MC10 display unit with a different MC10 system than the one it was purchased with (just like adding an MC1 Commander) follow the instructions below:

1. Power on the MC10 system that you want to add the additional MC10 display unit to
2. Connect power and ground wires of new MC10 display unit
3. Wait at least 20 seconds, then enter the Program Menu (see Program Menu Example)
4. Go to the RESET MC1 option, then press ENT button
5. MC10 display unit will reset itself (including factory default settings) and display will show ADD MC1 like in step 3 of the previous section (MC1 Add-on Commander Pairing Procedure)
6. Follow the remaining steps of the previous section to complete this operation

APPLICATION NOTE: If RUE-M1RF is not used with the MC10 system, plug in the M1RF bypass plug to the 3.5mm jack of the transceiver unit (XCVR1) to maintain normal operation